

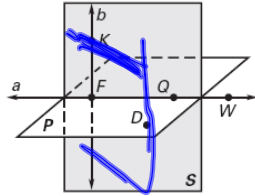
Warmup!

DAILY HOMEWORK QUIZ

For use after Lesson 1.3, pages 14–20

Use the diagram at the right.

1. Name the points on plane S .
2. Name two lines.
3. Name the plane that contains point D .
4. Name three collinear points.
5. Decide whether the following statement is *true* or *false*.
Points K , F , and D are coplanar.



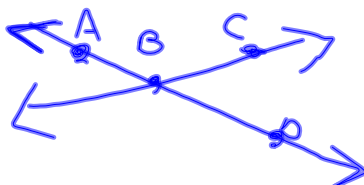
1.4 Sketching Intersections

Sep 9-7:24 AM

Sep 10-2:35 PM

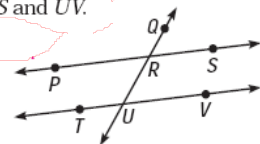
Intersection--point or points they have in common

Postulate 3--If 2 lines intersect, they intersect in a point



Use the diagram at the right.

1. Name the intersection of \overleftrightarrow{PS} and \overleftrightarrow{QR} .
2. Name the intersection of \overleftrightarrow{TV} and \overleftrightarrow{QU} .
3. Name the intersection of \overleftrightarrow{PS} and \overleftrightarrow{UV} .

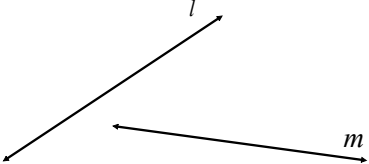


Sep 10-2:36 PM

Sep 15-9:59 AM

Do these lines intersect?

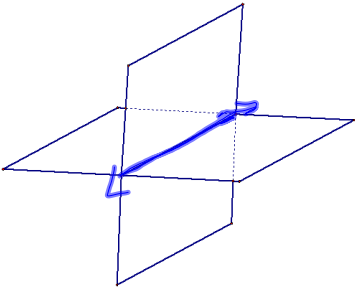
yes



these will intersect

Sep 10-2:39 PM

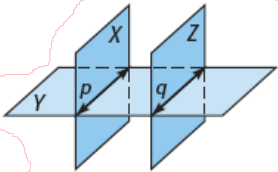
Postulate 4--If 2 planes intersect, they intersect in a line



Sep 10-2:37 PM

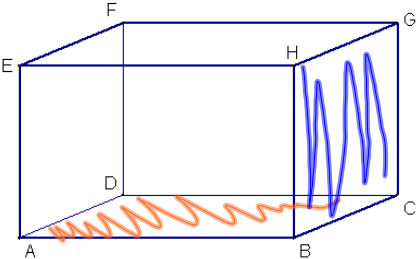
Use the diagram at the right.

- 4. Name the intersection of planes X and Y .
- 5. Name the intersection of planes Y and Z .
- 6. Name the intersection of planes Z and X .

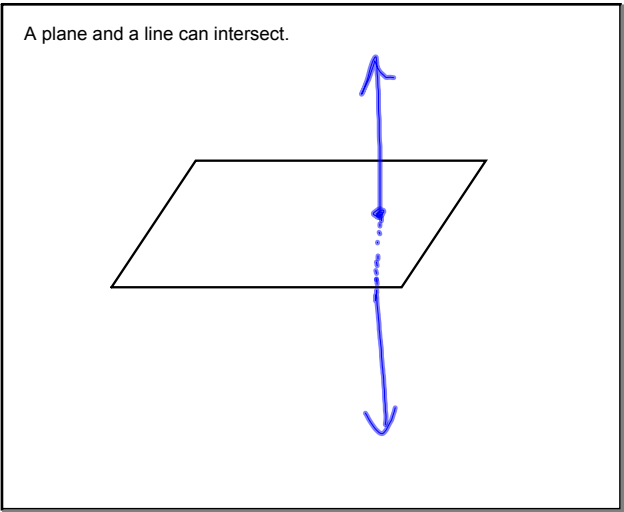


Sep 15-10:01 AM

Where do the following planes intersect?



Sep 10-2:41 PM



Sep 10-2:41 PM

Decide whether the statement is true or false.

- 2. \overleftrightarrow{BD} and \overleftrightarrow{DC} intersect at point D .
- 3. \overleftrightarrow{AB} and \overleftrightarrow{BD} intersect at point A .
- 4. \overleftrightarrow{BD} intersects plane M at point B .
- 5. \overleftrightarrow{AB} and \overleftrightarrow{DC} do not appear to intersect.
- 6. \overleftrightarrow{BD} is the intersection of planes M and N .

Naming Intersections of Lines In Exercises 10–15, use the diagram at the right.

- 10. Name the intersection of \overleftrightarrow{PQ} and \overleftrightarrow{TS} .
- 11. Name the intersection of \overleftrightarrow{QS} and \overleftrightarrow{PT} .
- 12. Name the intersection of \overleftrightarrow{SQ} and \overleftrightarrow{TR} .
- 13. Name the intersection of \overleftrightarrow{RS} and \overleftrightarrow{PT} .
- 14. Name the intersection of \overleftrightarrow{RP} and \overleftrightarrow{PT} .
- 15. Name the intersection of \overleftrightarrow{RS} and \overleftrightarrow{ST} .

Sep 15-9:52 AM

Use the diagram at the right.

- 5. Name the intersection of planes S and T .
- 6. Name the intersection of planes T and R .
- 7. Name the intersection of planes R and S .

Sep 15-9:56 AM

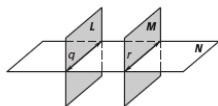
Worksheet

Sep 15-10:07 AM

Look at 1.4 A worksheet. The figures did not print well.
Please label the planes and lines as shown below.

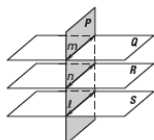
Use the diagram at the right.

5. Name the intersection of planes L and N .
6. Name the intersection of planes N and M .



Use the diagram at the right to decide whether the statement is *true* or *false*.

7. Planes Q and R intersect at line n .
8. Planes P and Q intersect at line m .
9. Planes R and S do not appear to intersect.
10. Planes S and P do not appear to intersect.
1. Lines n and l appear to intersect.
2. Planes Q and S intersect at line m .
3. Lines l and m do not appear to intersect.



Sep 10-2:46 PM